

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996  
From: Al Klase <alklase@postoffice.ptd.net>  
Subject: "Pickup Only"  
Message-ID: <199607051430.KAA07611@ns1.ptd.net>

When we post "for sale" items as "pickup only" way don't we give the location in the initial post? E.g.: Pickup only in Podunk, Pa.

My gripe for the day,

Al Klase - N3FRQ  
alklase@prolog.net  
Flemington, NJ

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996  
From: Tom Norris <badger@telalink.net>  
Subject: Re: "Pickup Only"  
Message-ID: <2.2.32.19960705101810.006cbf2c@telalink.net>

on 5 July 1996, Al Klase sez:

> When we post "for sale" items as "pickup only" way don't we give the  
> location in the initial post? E.g.: Pickup only in Podunk, Pa.

>

>My gripe for the day,

>

>Al Klase - N3FRQ  
>alklase@prolog.net  
>Flemington, NJ

>

>

I agree with Al here. There have been many "For Sale" items at good prices seen here. Many of them are pick up only. Every now and then someone may put a location in their sig line, but a lot of times there is just an address and callsign. I am in Nashville Tennessee, and probably woulnt mind driving three days to Oregon to pick up an R-390A for a ridiculously low price, but it would save time to know where the item to be picked up is to begin with - it saves a tiny bit of time in that no Email need be sent if the sale item is too far away.

cheers

\*\*\*\*\*  
Tom Norris KA4RKT  
badger@telalink.net Nashville, Tennessee, USA

-----  
If the world were merely seductive, that would be easy. If it were merely  
challenging, that would be no problem. But I arise in the morning torn  
between a desire to improve the world, and a desire to enjoy the world.  
This makes it hard to plan the day. - E. B. White

\*\*\*\*\*

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: Bob Duckworth <rmd@ka4ybr.netmha.com>  
Subject: 390A DAAB05-67-C-0155 sn 2033  
Message-ID: <199607062255.SAA17988@ka4ybr.netmha.com>

I just picked this up this morning.  
Reading the manual there was a mention of filter options.  
How many different IF filters were made for this thing?

-bob  
WB4MNF

Will try to make GBNET this PM with GRC9.

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: Terry Burge <terrybu@netman.ENS.TEK.COM>  
Subject: 51J-3/R-388 VFO  
Message-ID: <9607061824.AA21417@netman.ENS.TEK.COM>

Hi fellow keepers of the tube flame,

Well, I decided after considerable debate with myself to try  
and pull the VFO out of this thing. Haven't quite got it out all the  
way but it is loose in there. The book explain to 'slide the vfo back and  
tip the rear downward' but with R-181 and C-223 in the way that doesn't  
seem to have a chance of working. I too R-181 loose but still seems like  
it is hung on the tuning connector at the front of the unit. Anyone familiar  
enough with this to give me some instructions. Maybe I need to just put  
more force on it but I sure don't want to ruin this thing.

I thought my national NC-183 was built like a tank but this might  
have it beat.

Terry  
KI7M

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: n5off@w5ddl.aara.org  
Subject: A LSD Ship is . . .  
Message-ID: <410833@w5ddl.aara.org>

An LSD ship falls under the amphibious warfare category. The ships that Avondale built and installed the 390A's on in the 80's were 609 feet long, with a crew of 340 people. They can carry 450 troops, 4 amphibious air cushion vehicles, or a combination of assorted other stuff.

As I mentioned earlier, the 390A's were removed when the Navy had the opportunity. I know of a chap in CA who snagged one for a song at a fest.

Still Wanting: BC-348 New Condition  
Keeper of Collins receiver contract data for BA.  
Reply to: n5off@w5ddl.aara.org@usl.edu  
Phone 318-989-3430

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: Kevin McDonald <kevin.mcdonald@tivoli.com>  
Subject: Another 390 - AGC probs - WTB L/C checker  
Message-ID: <31DEA331.7A22@tivoli.com>

>  
> 73 de tom

Hi Tom and BA crowd.  
390 stuff first - WTB at end.

I own the:  
EAC Industries/Hammarlund 1968 consumer 118

There was another R390A for pickup only in Austin.  
I've looked at it a couple times but couldn't make it play.  
everything lit up fine but no audio - just a very mild hum  
from the local audio out.  
The price was \$300 which was just toooo high for me.....  
I didn't have a Collins radio and this one tuned soooo  
nice (1 finger) I finally brought it home figuring I could  
listen to the EAC unit while I tuned the Collins <grin>.  
I'm glad it had the 3 spare fuses on the back because when  
I replaced the 1/8 amp B+ fuse it sure does sound nice!

Need advice:

Generally the AGC does not work.

The 3 AGC related tubes test fine.

I have not tested the 4 or 5 caps directly in the AGC circuit yet.

The resistance on the external AGC line is about 1.8 megohm exactly the same as the EAC.

If you are listening to a strong AM station with the at RF gain at about %50 and rapidly crank the RF gain to max the DB meter goes to about half deflection and then goes back to zero the unit then screams in pain and goes into into a high then low frequency oscilation (screeech - bop bop bop bop.....)

Is this probably caps in the AGC section or another problem?

The IF units come out fairly easily - is there any problem exchanging the EAC unit for the Collins unit for testing?

The unit is:

Collins	1955	8719-P-55	1802
---------	------	-----------	------

P.S. at %85 - %90 RF Gain the Collins easily outperforms the retubed EAC unit on sensitivity tests - to be fair the I'm sure the EAC could use an alignment.

WTB:

I have a few BA's and the recent threads show that my reliance on testing caps with a couple different multimeters is deficient at best. I sure would like to get my hands on an L/C checker that uses real voltage etc. Any body have a restorable Eico with magic eye tube? Really I'm open to any unit that can be fixed with tubes and/or caps. (except for ME tubes - I have no source for these)

Thanx and 73's

Kevin McDonald N50JF

kevin.mcdonald@tivoli.com

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996

From: davemed@ix.netcom.com (David Medley)

Subject: Att Mike Collectors

Message-ID: <199607051738.KAA03240@dfw-ix6.ix.netcom.com>

I have the following mikes for sale:

1. Astatic 10-D with stand and cord but no plug
2. Electrovoice model 423A with stand, cord and 2 pin plug
3. Astatic JT-30 with stand. Cord has been cut about 12" from mike
4. Astatic JT-30 no stand or cord
5. Turner 34X. Case only. No element.
6. D104 stand in original box. Has cord but no plug.

No reasonable offer refused. Will answer all mail but don't ask me how much?  
because I have no idea. Just want to get rid of them.

Regards

Dave

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996

From: n5off@w5ddl.aara.org

Subject: BA Spotting "Phenomenon"

Message-ID: <410522@w5ddl.aara.org>

Saw the flick "Phenomenon" yesterday, starring John Travolta. The movie  
has a ham that makes contacts during the film. His shack is littered with  
old and new stuff, including a nice BC-348.

73 de tom

Still Wanting: BC-348 New Condition

Keeper of Collins receiver contract data for BA.

Reply to: n5off@w5ddl.aara.org@usl.edu

Phone 318-989-3430/ex

y

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996

From: Tom Norris <badger@telalink.net>

Subject: Boatanchor Home Page down???

Message-ID: <2.2.32.19960706140400.006daeb0@telalink.net>

Last several attempts at accessing the "Boatscape" home page  
met with "url not found"

Is the page no more?

\*\*\*\*\*

Tom Norris KA4RKT

badger@telalink.net Nashville, Tennessee, USA

-----  
"More hay, Trigger?" "No thanks, Roy, I'm stuffed!"

\*\*\*\*\*

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: w5tvw@juno.com (Sandy Blaize)  
Subject: Books for sale...swap?  
Message-ID: <19960706.150826.8095.0.W5TVW@juno.com>

I am in the throws of "kitchen remodelling"! Digging up stuff I'll probably never use again!

I have a list of various books, some older stuff some newer stuff. Related to radio, electronics, computers and navigation. If you might be interested, please let me know and I'll E-mail the list. Giving the BA group first crack at it before I post them elsewhere. Most are \$5 plus shipping, some more. Willing to trade all or part for older Radio/electronics texts circa 1940's and earlier.

73,  
Sandy W5TVW  
w5tvw@juno.com

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996  
From: jmillier@teleteam.net (Jay H. Miller)  
Subject: BULLETIN\*BULLETIN\* R390A IS ALIVE!!!!  
Message-ID: <v01510101ae02ddf0f3e8@[199.34.24.20]>

At 2:30 pm CDT this day Collins mfg. R-390A S#882 sputtered and popped back to life thanks to the assistance of Pete Petri, Tom Marcotte, Chuck Ripple, Jan Skirrow and many others who offered tidbits and advice. (Not to mention over 30 hours of bench time on this end.)

The final problem appeared to be a broken connection in the 90=B0 angle plug from the PT0 as well as considerable oxidation on the tube sockets of V203 and V204. A disassembly (not an easy task) of the PT0 plug revealed a broken wire which was making intermittent contact. This was resoldered and the output checked on a frequency counter. Apparently previous checks with the plug removed put enough tension on the wire to make contact when the PT0 output was checked. When reinserted in the jack, the released tension broke the contact.

The oxide buildup was removed with a liberal spray of Deoxit and wiggling the tubes as the RF section breathed its way to life.

We still have major cleaning to do on these tube sockets and there is still some scratchiness in a few pots. Right now we are tuned to the AM broadcast band and receiving very loud signals with a clip lead antenna to the balanced jack.

New slugs and a spring (coming) will be placed in those transformers

requiring them and then we will proceed with the alignment and adjustment process.

My thanks again to all!

73

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***** ##### *****
Jay H. Miller, KK5IM           Dallas, Texas
The Pocket Guide to Collins Amateur Radio Equipment
jmillier@teleteam.net
***** ##### *****
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From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: Dan Martin <dmartin@visuallink.com>  
Subject: Caps & Comments  
Message-ID: <31DEF0DE.120F@visuallink.com>

Hello to all. I'm a new arrival to the BA group and happy to be here.

Now, one comment and two questions:

1. Anyone going to see the new movie hitting the screen this weekend, "Independence Day", will be bemused to find it is ol' Morse Code that saves the earth's bacon as the only surviving, reliable means the military can count on after the bad guys attack earth. Question is, does anyone in the military still know the code? Oh well, it is science fiction! In this movie there is even mention of "ham radio operators" providing "news updates" from around the globe.
2. On a more serious note, I gotta ask a dumb question - - when one recaps a BA, what do you replace all those old tubular paper caps with? My '67 390A is loaded with 'em. I mean, you can still buy NOS and very similar looking tubular caps from Antique Electronic Supply, for instance, but what are the chances they'll be any better than the old ones you remove?
3. I need my first real BA xmtr to branch out from my BA rcvrs. My TR4 and KWM-2 don't count. What would someone recommend for a first - - Ranger, Valiant, etc? A 32V3 would look great with my 51J4. Anybody got anything, hardware (a BA xmtr to sell) or software (an opinion or comment)?

Thanks, folks!

Dan  
WB4GRA

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996  
From: w7ni@teleport.com (Stan Griffiths)  
Subject: Checking Capacitor Leakage  
Message-ID: <199607052144.0AA28306@desiree.teleport.com>

Here is an excerpt from my new (as yet unpublished) book on restoring Tek scopes that were manufactured in the decade of the '70s.

"You can test capacitors from your stock of spare parts using the following technique:

Set your oscilloscope vertical amplifier for DC coupling and 50 mv/division. Locate a suitable source ("suitable source" means one that has low AC ripple, like 20 mv or so) of DC voltage which is near the maximum value of the capacitor to be tested but not more than the maximum voltage that the scope vertical input is rated for. Apply the DC voltage to one end of the capacitor and apply the other end of the capacitor to the scope vertical input. The trace will be deflected vertically by the leakage in the capacitor. (No deflection means no leakage.) The capacitor may leak enough to deflect the trace completely off the scope screen. You can reduce the scope vertical sensitivity to bring the trace back on screen, but if the trace goes off screen at 50 mv/division, the capacitor is probably too leaky to use anyway. Compare a few brand new capacitors to the older ones you have in stock and you will get a good feel for the difference between good ones and bad ones. If you want a bad one to look at, try one of the infamous "black beauty" capacitors. Hey, some circuits will tolerate some capacitor leakage and if you are more interested in having the parts "look right" in the circuit rather than "work right", don't be too quick in throwing away old capacitors that may show some leakage."

Here is a little additional data that I will probably add to the text before I publish it:

"There are several power supplies right inside of the typical Tek "boatanchor" scope that can be used for capacitor leakage testing. The typical scope, such as a 545A, has +100, +225, +350, and +500 volt supplies that have only 20 millivolts or so ripple.

You can actually calculate the leakage current of leaking capacitors by realizing that the capacitor you are testing forms a series circuit with the fixed 1 megohm resistor in the scope's vertical input circuit. The deflection you are seeing on the scope screen when applying voltage to the cap under test is caused by the voltage drop across the scope's 1 megohm input resistor. Using Ohm's Law and the actual scope deflection, you can determine the current flow through the 1 megohm resistor which will be the same as the leakage current of the capacitor. I have not found this calculation to be particularly valuable since leaky capacitors are generally VERY leaky and it does not matter to me exactly how much current



they draw. The value of testing in this way is that you get to apply a voltage somewhat near the actual voltage the cap will see in service rather than the unrealistically low voltages available from typical Ohmmeters."

Yet ANOTHER use for an old Tek scope. What else would you expect from me? I'll bet you could ACTUALLY anchor a boat with one if you needed to . . .

Stan w7ni@teleport.com

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996  
From: "Robert Fowle (KC8DBC)" <hammarlund@voyager.net>  
Subject: EF Johnson: new old stock  
Message-ID: <199607051939.PAA22590@vixa.voyager.net>

greetings. just aquired the following EF Johnson NOS parts.  
all have part #'s, but don't know what they go to...  
all plus shipping

101-760	RF Choke	6.8uh @ 250ma	\$1.50 each
762	RF Choke	chasis mnt. 2.5" tall x 1/2" dia	\$3.00 each
116-214	Knob	13/16" tall x 1/2" dia. skirt is 3/4" dia.	\$4.00 each
22.778	Mica	150 mmf @ 1200 vdcw	\$3.00
22.1465	Switch ceramic		\$12.00
104-251	Coupling ceramic	3/8" x 3/8" both sides	\$8.00
104-251-2	Coupling ceramic	1/4"x1/4" both sides	\$8.00
104-251-3	Coupling ceramic	1/4"x3/8"	\$8.00
104-262	Coupling ceramic	1/4"x1/4" round ceramic	\$8.00
116-262	Dial assembly knob w/ 0-100 on aluminum skirt		
	possibly for KW match box		\$15.00 each
116-265	Vernier dial	same as 116-262 above	\$15.00
116-285	Vernier dial	?	\$12.00

also available as a copy: 1946 EFJ tube socket guide book \$13.00 each

thats it for now...gotta run to work.for a while..  
thanks

=====] -[->

Robert Fowle KC8DBC  
The HAMMARLUND Historian  
Ph. voice or fax 517-789-6721  
1215 Winifred  
Jackson, Mich. 49202-1946  
E-mail at: hammarlund@vixa.voyager.net

HAMMARLUND LITERATURE WANTED  
WANTED: MANUALS FOR ANY MAKE RADIO EQUIPMENT

=====] - [->

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: spr@earthlink.net (Scott Robinson)  
Subject: Re: EF86 and 6267 differences  
Message-ID: <v01530500ae042d3a922f@[153.37.85.119]>

>I had supposed that the EF86 and 6267 were the same tube. However, after  
>noticing a big difference in transconductance between my single EF86 and  
>single 6267, I'm wondering whether the differences aren't more substantial,  
>as is the case with some industrial numbered versions of other tubes.

EF86 data from Telefunken tube manual:

Plate 250V  
Screen 140V  
Grid -2V  
Gm 2000 uMhos  
I plate 3 mA  
I screen 0,6 mA

6267 data from GE tube manual:

Plate 250V  
Screen 140V  
Grid -2V  
Gm 2000 uMhos  
I plate 3 mA  
I screen 0,6 mA

Thes are identical, so I suppose you've got a tired tube there.

Regards,

Scott Robinson  
spr@earthlink.net

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996  
From: bill@skeeter.frco.com (William Hawkins)  
Subject: Fathers  
Message-ID: <9607060526.AA02016@skeeter.frco.com>

There's been a couple of posts about reviving the call of the father that got you interested in radio. That's a fine, living memorial.

My father was a chemical engineer (MIT '34) who worked at National Fireworks during the war. He taught me to appreciate fireworks, as part of my youth, tho I never progressed beyond simple stuff. Got into radio all by myself. Father died tonight, close enough to the Fourth to make the fireworks connection again.

I'll be putting aside the quest for interesting stuff for a while ...

Regards,  
Bill Hawkins

BTW, Father died of metastatized prostate cancer, at 84. Do you know what your PSA level is (if you're male)?

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996  
From: davemed@ix.netcom.com (David Medley)  
Subject: Freebies  
Message-ID: <199607051951.MAA08872@dfw-ix6.ix.netcom.com>

I have a box of what I call "bathtub condensers". These are the sealed in can capacitors made mostly by Aerovox in WW2. The box weighs in at 10 pounds. They all look unused. I was going to put them out with the trash but then I thought somebody out there might need them for a boatanchor project. Anyone willing to pay the freight can have them otherwise the trash collectors gets them.

Regards  
Dave KI6QE

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: John Kolb <jlkolb@cts.com>  
Subject: FS Wireless set 19 spare valve set  
Message-ID: <Pine.SC0.3.91.960706170336.10605A-100000@sd.cts.com>

Picked up at the swap meet today a small metal OD box marked  
Wireless set No. 19  
Case spare valves.

Contains

VT-100-A (807)

VT-232 (E1148) qty 2

VT-167-A (6K8G) qty 2

VT-93-A (6B8G)

VT-86-A (6K7G) qty 5

VT-90 (6H6)

VT-107-B (6V6) qty 2 large coke shape

VT-250 (EF50)

All nicely padded, unused, tubes held in tube sockets clipped into metal chassis. Top of box is dusty, and edges chipped and rusty, otherwise excellent.

Anyone need this as is, or shall I split it up into my tube collection? Would trade for R-1051 manual or RAO receiver tuning capacitor gearbox without backlash or ???

Also picked up a remote tuning head, unit of model RU-11 if anyone is interested. No, didn't see a cable for it.

The seller had when I left, a rather beat up NO. 19 set, and one or two described as NIB. I didn't ask the price. Contact Will Nielsen (619) 264-1100.

73's

John Kolb KK6IL jlkolb@cts.com

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996

From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>

Subject: FS: 1948 ARRL Handbook

Message-ID: <Pine.SV4.3.91.960705131152.27348A@mesa5.mesa.colorado.edu>

I have a 1948 ARRL Handbook for sale. The cover is loose and the binding is not as tight as it once was but everything is there and it is VERY CLEAN. Someone used it a lot but used it carefully.

The price is \$12 plus \$2.50 for postage.

Jim Rybak W0KSD

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996  
From: RhyneK@aol.com  
Subject: FS: National receiver Model NC-125  
Message-ID: <960705223308\_231781647@emout13.mail.aol.com>

I am putting up for sale a National NC-125 receiver. This receiver is in good cosmetic and electrical condition. It has all the original knobs. A copy of the manual will be supplied with it. This is a general cov. rcvr and it is great for AM listening. I am asking \$125 plus shipping for it. I am located in eastern Massachusetts. This is being posted first to Boatanchors before anywhere else. For those interested, please e- mail me here.

de KA1CX

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>  
Subject: RE: FS:1948 ARRL Handbook  
Message-ID: <Pine.SV4.3.91.960706022840.10800B-1000000@mesa5.mesa.colorado.edu>

The book is sold. Thanks to all those who responded.

73,

Jim WOKSD

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996  
From: bachmann@ari.net  
Subject: General Radio 1310-B Oscillator  
Message-ID: <199607060303.XAA15864@mtolympus.ari.net>

Hi gang,

I found a 2Hz to 2Mhz General Radio 1310-B Oscillator at Dayton, but it needs a little work. Can anyone suggest a place to find a schematic for this item? Is General Radio still in business? Any help would be greatly appreciated.

Tnx and 73, Rich Bachmann, N3SLR

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: SP600@aol.com  
Subject: HAMMARLUND HXQ-300 PROTOTYPE!!  
Message-ID: <960706205856\_571155128@emout12.mail.aol.com>

Hi fellow Boat Anchors,

This Sat I have acquired a HAMMARLUND HXQ-300 prototype. Plenty of tube sockets held in by screws, dynamo tape labels on the back. Even serial numbered power supply and transceiver with dynamo tape!. It looks almost identical to the KW Electronics KW 2000. Has a mod to the mike connector, extra switch on the front panel, extra stuff on the chassis ect.

What I need to know is how good was the KW-2000 in stock form. Was there a normal problem with the basic design? Does anyone have a copy of the basic KW-2000 I can purchase? This might of been a last ditch effort by Hammarlund to come up with a transceiver before they closed there doors.

Well it does make a nice addition to my HAMMARLUND collection.

Charlie N9SOR

//////////////////HAMMARLUND COLLECTOR\\\\\\\\\\\\\\\\\\\\\\

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996

From: Scott Robinson <spr@earthlink.net>

Subject: Re: Having two Ohmmeters is a bad thing

Message-ID: <31DD541F.416@earthlink.net>

N4HUR@aol.com wrote:

>

> Ok gang put on your thinking caps, I can't figure this one out by myself. I  
> am in the process of restoring a Zenith T0 and just now I was checking those  
> dratted black plastic moulded caps in the thing. For whatever reason, I  
> cross checked the ohms reading on one of them with first my Hewlett-Packard  
> 3465B VOM and then my trusty Simpson 260. Yikes! the Simpson said about 5  
> meg, and the HP said greater than 20 meg. I then compared the readings  
> between the two meters on real resistors and they agree reasonably well.

Gang and Bob,

The leakage in a capacitor may not behave like a resistor, but more like a constant current, or even some other function. Really bad ones act like batteries, ddriving the ohmmeter off scale t'other way!

Even 20 megs is a VERY leaky capacitor. My test for some decades has been done with a Heat V-7A VTVM, but probalby any low- or medium-priced VTVM (not HP-circuit is probably different) will do the same as I think they are quite similar one to the next;

Set meter the highest (X1 meg on mine) range. Test capacitor. When it has charged up, the meter should show NO conduction whatsoever (above about 500 meg on my scale). A new mylar (or

paper, if there were any) cap will do this, any ceramic or mica will do this. Impatient souls like me can speed the charging of 0.1 uF and larger caps by momentarily switching to the next lower range.

I replace any that don't pass this test, and that means nearly all. Result is reliable radios that work as new.

A capacitor is supposed to be an insulator!

Regards,

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996  
From: w5tvw@juno.com (Sandy Blaize)  
Subject: Re: Having two Ohmmeters is a bad thing  
Message-ID: <19960705.135056.8095.1.W5TVW@juno.com>

On this "ohmmeter" thing on checking capacitors.....

The older type ohmmeters such as the Triplet 630 and Simpson 260 used to use a 22-1/2 or 30 volts battery for the highest ohmmeter ranges power source. Most "modern" meters are totally useless for the oldtime capacitor 'check'! My recommendation would be to use a leakage checker that's usually part of the "magic eye" bridge type capacitor checkers of yesteryear like the EICO 950 or the Sprague instruments. This is the only really reliable way to tell what's going on. I don't recall the maximum leakage current allowed for the old tubular capacitors. Maybe someone else has that handy.

I have found the biggest problem with nearly ALL the Hallicrafters receivers is usually leaky caps. Best bet: replace ALL the paper tubulars and save yourself grief later! National receivers (post-war) didn't seem to have as many bad caps in them, but their drawback was resistors that wildly changed values! My sources say National made their own and they nearly all went up in value over the years. National had a tendency to manufacture everything they could, while Hallicrafters used outside suppliers for most of their receivers.

73,

Sandy Blaize, W5TVW  
Boat Anchors collected, restored, modified, traded & used!  
w5tvw@juno.com  
417 Ridgewood Drive,  
Metairie, LA., 70001.

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996  
From: Scott Townley <nx7u@primenet.com>

Subject: Re: Having two Ohmmeters is a bad thing  
Message-ID: <199607052008.NAA27908@primenet.com>

>

>So here is my dilemma, which meter do I trust?

A man with one watch knows what time it is, and a man with two watches is never sure...

Scott Townley                    "When the Going gets Weird,  
nx7u@primenet.com               the Weird turn Pro"  
                              -Dr. Gonzo, Sports Editor

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: Scott Alfter <salfter@accessnv.com>  
Subject: Re: Having two Ohmmeters is a bad thing  
Message-ID: <01BB6B3E.9C3230E0@ppp014.accessnv.com>

On Fri, 05 Jul 1996 at 14:55:04 EDT, w5tvw@juno.com (Sandy Blaize) wrote:  
> The older type ohmmeters such as the Triplett 630 and Simpson 260  
> used to use a 22-1/2 or 30 volts battery for the highest ohmmeter ranges  
> power source. Most "modern" meters are totally useless for the oldtime  
> capacitor 'check'! My recommendation would be to use a leakage checker  
> that's usually part of the "magic eye" bridge type capacitor checkers of  
> yesteryear like the EICO 950 or the Sprague instruments. This is the  
> only really reliable way to tell what's going on.

Some tube testers also provide for leakage testing of capacitors. I have a Precision 920 that does this; it puts 73-75VDC across the capacitor under test. (I also measured 0-12VAC across the terminals used for capacitor testing; this might be the result of inadequate power supply filtering as a 0.1 uF capacitor is used for this purpose...but maybe that's just an indication that I ought to replace the capacitor.)

For those who have this tester (or a similar model) and don't have dox:

You connect the capacitor to be tested between the center pin in the 5-pin miniature ("Bantam Jr.") socket and one of the "noise test" pins with the "Tube Merit" button locked down and all other buttons up. (Knob settings apparently don't matter.) The results appear on the neon bulb as follows:

no glow--open, or capacitance is too small to cause a valid reading  
momentary flicker--good (duration is proportional to capacitance)  
flashing--high-resistance leakage  
constant glow--short/low-resistance leakage



--

Scott Alfter  
salfter@accessnv.com

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: "David L. Thompson" <thompson@mindspring.com>  
Subject: HC-10 and other slicers/converters  
Message-ID: <199607062226.SAA00383@answerman.mindspring.com>

Gang,

I have been reading the posts on the HC-10 and the SBA-1. We need to get Don Mertens, K2AAA to give us the story on the SBA-1. Sure is close to the SBE-1 number that TMC used.

I would assume the SBA-1 is a complete converter plugged into the final IF just as the HC-10 and SPC-10 are. This adds not only the product detector, but at least one more IF stage, and the fab (at the time) Hammarlund slot and passband tuning (this is also in the HQ170, 180, and 145).

On the HC-10, the factory supplied a 7 pin miniature adaptor. This looked like a tube adaptor we used to measure voltages with the tube still in the socket (I have both a 7 and 9 pin adaptor somewhere in my junk box). The difference is that the last IF tube is plugged into this adaptor and the cables go out the receiver and hook into the HC-10/SPC-10. They show how to wire a 9 pin adaptor, but as I recall they provided this on models after the first series or so. My HC-10 purchased in late 1958 had both plus one for octal tubes such as the 6SK7!...3 total.

The HC-10/SPC-10 worked for any receiver with an IF of 450 to 500Khz (kcs). The HC-10 was factory set for 455Khz. The manual gives detail on how to properly set the converter for 500Khz and avoid images. There is a note to avoid 6SG7's (can cause instability), and if the old receiver is drifty..then the "new" receiver will accentuate that problem. MY HC-10 worked well with the HQ110 (this combo became the HQ170), but with the HQ120 drift was noticeable. Never did run into the oscillation they discuss.

Any of these converters will work great with the Collins PT0 series receivers!

Slicers can be used too as Sandy points out. I have a slicer made by a company that advertised twice in QST in 1957, CE made 2 slicers, and B&W, RME et al made slicers that usually tied into a receiver( RME4301 went with the RME4300).

Dave K4JRB

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: "David L. Thompson" <thompson@mindspring.com>  
Subject: HC-10 manual  
Message-ID: <199607062226.SAA00393@answerman.mindspring.com>

I found my HC-10 manual with the Hammarlund Orange cover. I am willing to make copies that include orange front and backs, the schematic on legal size paper and put them in a clear binder for \$8 postpaid First Class or \$10 priority mail. No I am not going into the manual business...this is just for BAers and I will break even on money and give my time away to assemble and mail.

Send me an e-mail to: thompson@mindspring.com

DO NOT reply to BA.

73, Dave K4JRB

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: CADV16@aol.com  
Subject: KWM-2A  
Message-ID: <960706155903\_350606034@emout16.mail.aol.com>

Many thanks to all those BAers that tried to find a nice Collins KWM-2A for me. Special thanks to Terry/N6UR as he found a really nice transceiver for my Collins collection. Again thanks to all that helped locate a radio for me!

Best 73,

de Elliott/KJ7KH

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996  
From: Tom Norris <badger@telalink.net>  
Subject: Lazy Man's Cap Checker (was Having two Ohmmeters is a bad  
Message-ID: <2.2.32.19960705101812.006d9960@telalink.net>

This thread got me thinking "Gee there has got to be an easy way to do this...."

Being a slow day at work, I hauled out my junk box and started looking.... Hmmm a low current power supply.... Hmmm a couple of meters....

So I built a capacitor checker: basically a small variable DC supply (0-500 volts 10ma) with a milliammeter with a switchable scale. I pull the cap out of circuit, slowly run it up to rated voltage and look at the meter. Going through the BC-314 rx I got from Tom a week or so ago, I located several caps that were driving me crazy A .1 "mica" that started drawing current at 100volts -- and lots at 400 -- and a three-way sealed can cap. Both these checked more or less OK with an ohmmeter -- Fluke 77 and Simpson 260 (has 22.5v batt for ohms). Seems to do a decent job of finding the bad ones so far by comparing leakages with newer caps of similar value.

Is this an accurate way of finding bad caps? Did I actually find a "better way"???

\*\*\*\*\*  
Tom Norris KA4RKT  
badger@telalink.net Nashville, Tennessee, USA

-----  
If the world were merely seductive, that would be easy. If it were merely challenging, that would be no problem. But I arise in the morning torn between a desire to improve the world, and a desire to enjoy the world. This makes it hard to plan the day. - E. B. White

\*\*\*\*\*

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996  
From: wb6zwc@ns.net  
Subject: Meter Protection  
Message-ID: <199607060333.UAA29748@tomcat.ns.net>

No objections on the first two meters....

The second two meters are also similar in that they are both 50 ohm and full scale is 1ma. Therefore they are 50 millivolt meters across the terminals.

If the information is correct back to back germanium diodes are the answer here. The germanium will provide clipping at about 300 mv. This is six time rated meter voltage but I guess something is better than nothing.

Are germanium diodes really that hard to find?

One of these meters measures plate voltage with a 0-4000 vdc scale. It has gone up in smoke years ago and I had to replace it--\$298 and change.

With all this fuse talk--maybe there is a small fuse that will blow at about 5 ma or so.

Did you see one of those Stan?

=====

Wanted 312-B3

Richard@Sacramento,Ca.

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996

From: dfrancis@usa.net (Dexter Francis)

Subject: Millen Coils are GONE!

Message-ID: <v01520d00ae045bfc30fe@[192.156.196.116]>

Hokey Smokes Bullwinckle! I wish I had 10 set of those coils...

Sandy B. got them, and will pass them on if they don't work in his unit.

Thanks for all the interest. I hope I can do as well with all the other stuff....

-df

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996

From: dfrancis@usa.net (Dexter Francis)

Subject: Millen Grid Dip Coils (NOS) Loctals & Metals

Message-ID: <v01520d00ae0411249b3d@[192.156.196.104]>

Greetings all -

Amongst all the tubes were four Millen Grid Dip Inductors for use with 90651 - 90661 dippers (so the boxes say...)

46702 (925kc - 2000kc)

46703 (500kc - 1050kc)

46704 (325kc - 600kc)

46705 (220kc - 350kc)

If anyone has a need for these, please e-mail me, or you can use the voice/fax machine at (719) 260-5513.

(I'd dlsco consider buying/swapping for the meter that uses them.)

Also currently going thru a bunch of Loctals and metal tubes,  
so if any of you military collectors have a need for such beasts,  
don't hesitate to ask.

-df

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996  
From: davemed@ix.netcom.com (David Medley)  
Subject: Need KWM-2A Spinner  
Message-ID: <199607052313.QAA26176@dfw-ix2.ix.netcom.com>

Anyone out there have a KWM-2A spinner knob. That is the main tuning knob.  
Is The same for all S-lines I think. Any help/leads would be appreciated.  
Regards  
Dave KI6QE

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: rs@ham.island.net  
Subject: Re: Noise Measurement  
Message-ID: <woFNqD1w165w@ham.island.net>

Scott Townley <n timer@primenet.com> writes:

> There's a yellow book called the "Interference Handbook" that is a MUST for  
> folks dealing with noisy utility lines, appliances, etc.  
> It's written by a guy who worked for ConEd in LA many years back, he was a  
> ham and ended up becoming the RTVI department in a time when the term  
> probably hadn't been defined outside of the amateur fraternity.  
> I don't have any add'l bibliographic info on the book (I'm reciting from  
> memory) but I'll go pull it out of storage if anyone is interested in  
> further info. I believe I picked mine up from the Ham Radio Outlet in CA  
> several years back so it's been recently printed.

Scott, the book you refer to is "Interference Handbook", by William R.  
Nelson, WA6FQG. It's published by Radio Publications, Box 149, Wilton CT  
06897. It's not bad, but getting a little dated, I think. IMHO, the ARRL  
book, Radio Frequency Interference that's currently available is more  
comprehensive and up-to-date.

rs@ham.island.net

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996

From: Bill Moore <bill\_moore@mevatec.com>

Subject: Old radio stuff and paper FS

Message-ID: <960705.182011@mevatec.com>

Subject:

Time:5:41

OFFICE MEMO

Old radio stuff and paper FS

Date:7/5/96

I need to get rid of this stuff so dont be afraid to make an offer. You =  
can call at 205 880 1207 for further info or email me at work bill\_moore@=  
mevatec.com. Trades for Pilot Items are always welcome. Thanks

1. Viscount model 1100 new in box transistor. AM-FM of the type that can =  
mount under dash or portable. Has mounting bracket. \$20
2. Book-"Hyper and Ultra-High Frequency Engineering" by Sarbacher and =  
Edson 1943 \$3
3. RA DA instruction sheet for 1922 Westinghouse, Full color reprint \$5 =  
pp
4. Russian Geiger counter. Has leather case and is made of an unusual =  
bakelite (red swirled). Nice shape. \$75
5. "The How and Why of Radio Parts" 1924 \$12
6. "How to Make a Neutrodyne Receiver" 1924 \$15
7. Zenith Transoceanic 7G605 service data \$4 inclues ship.
8. Radio Design Magazines, 1928, 1930 and 31 Official Organ of the Pilot =  
radio company \$6 each
9. Floor Chrome mike stand, have extra cast iron base, all for \$10
10. Motorola x25w transistor, good condition/working \$12
11. Sony TFM-122 transistor, early and working \$20
12. WE transistor PA Amp. Looks to be new. Comes with NOS pair of 8" =  
outside university PA horns. \$25
13. Gooseneck springloaded clampmount workbench lamps. good condition =  
and working. No bulbs \$10 ea
14. Nobatron DC power supply 18-36 VDC 1.5 amp \$12
15. Sola Power conditioner. 1.25 amp \$7 ea
18. Bogen Power amp cha-33 with phono built into cage \$22
19. Sylvania Auto radio Installation and Servicing 1934 \$3
21. Telefunken Concerto, large german table model. The row of small tone =  
control pushbuttons is missing, \$85
22. Zenith Royal 790 "Super Navigator" nice and working \$40
23. AK 165 Cathedral grill cloth. This is the original grill cloth on a =  
hard cardboard backing. very nice condiion \$15
25. NOS Power stat. model 2368-2. These variacs are double ganged and =  
can handle 9 amps each...\$30 ea
26. Old style original leather handle. Good condition, perfect for that =  
old portable to restore the look \$7
27. Early FM receiver for cars, Cartape brand \$15

29. Radio Craft Publication "Breaking into Radio Servicing"  
1938 \$7  
30. Radio Craft Pub "Modern Radio Servicing Techniques"  
1941 \$7

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: davemed@ix.netcom.com (David Medley)  
Subject: Philco Relict  
Message-ID: <199607061633.JAA16732@dfw-ix11.ix.netcom.com>

I have advertised this on rec.antiques.radio+phono with no responses. I can't believe there is no interest in this relict from a byegone era. This is a wooden battery box. The only distinguishing feature is a metal plate with the Philco Logo and two marks which say "+" and "-". The box is beautifully made the corners being dovetailed. The bottom board is split and the finish is still the original and very dulled. There can't be too many of these things around. A nice restoration project and good conversation piece. Anyone interested before I chop it up for firewood!!!

Regards  
Dave

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>  
Subject: QTH.BAFOLKS, last call for this update!  
Message-ID: <31DE7E18.7A18@ghgcorp.com>

Hello everyone.

Sometime this week I am going to update the QTH.BAFOLK list. SO, if you haven't sent your data in yet, or have changes you wish to make to your data, please send the following information to me at BDHall@ghgcorp.com:

last name, first name, call or calls and ex-calls, e-mail address or addresses, town/city, state/province or international equivalent, country

That is all that is required! I'll let everyone know when the new edition makes it to the archives. If you have sent in information since the last update, no need to send it again, I have it.

Thanks and 73,

Ben

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=====
+ Benjamin D. Hall, Houston Texas +
+ BDHall@GHGCorp.com BHall@GP802.JSC.NASA.gov +
=====
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From boatanchors@theporch.com Sat Jul 6 20:50:46 1996

From: n5off@w5ddl.aara.org

Subject: R-388 PTO removal

Message-ID: <410837@w5ddl.aara.org>

Just apply more force.

Just kidding . . . the trick is to remove the spacers which space the thing out from the panel. With two of the spacers off, the thing should tilt nicely. The dial connector thingy will plop out at that time. When you put it back on, use a little dab of grease to stick it on while you are lining it up.

I have successfully done this project a few times, but its not fun. I gave the PTO about 1 kc of lead (1001 kc output in ten turns) so it would drift through 1000 over the years, and prolong the time until I have to do it again.

The 390/390A is much easier to adjust.

73 bonne chance

Tom

Still Wanting: BC-348 New Condition

Keeper of Collins receiver contract data for BA.

Reply to: n5off@w5ddl.aara.org@usl.edu

Phone 318-989-3430

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996

From: lardiere@ix.netcom.com (Rocco Lardiere )

Subject: Re: R-390 SSB Adapter?

Message-ID: <199607061839.LAA12157@dfw-ix1.ix.netcom.com>

You wrote:

>



>SSB adapters for the R390 are not suited for the R388 as the later has  
a 500 Kc  
>IF. I say Kc as opposed to Khz because the R388 predated the FCC  
proclamation  
>that we utilize the new term by about twenty years.  
>  
>Bill K5LLK  
>

Bill,

Gosh, no wonder my R388 doesn't work worth a damn! I aligned it at 455  
kHz!

No, just kidding. It's been many years since I went through this thing  
and forgot the frequency. One thing I won't forget is wishing I had a  
degree in mechanical engineering or maybe cuckoo clock technology  
dealing with all the cams and gears in these older Collins radios. Of  
course, the number one most complicated mechanism in a radio I ever  
tried to rebuild was a Collins autotune assembly. God help anyone who  
takes apart the gear train and tries to put it back together without a  
manual. Of course, I had lots and lots of free time back then.

By the way, the SBA-1 will work at 500 kHz, according to the manual,  
but you have to change the L0 crystal frequency. This one is  
crystalled for 455 kHz. It would be suitable for the R390, as well as  
my HQ110 and SP 600.

The Eldico SBA-1 SSB converter uses a 4-pole crystal filter with a  
nominal bandwidth of 2.9 kHz (whoops, 2.9 "Kc"). It has selectable  
sidebands, rejection notching, fast/slow AVC time constants, noise  
limiter, etc. The paint is approximately that of some R390's I have  
seen. The knobs look like they might match, though I don't have one  
here to compare. I would guess that Eldico designed this with R390  
type receivers in mind and then tried to sell them to both the  
militiary and the amateur markets.

The original schematic supplied with this unit is an actual blueprint,  
and the manual is a reverse-image photocopy, page by page, done to MIL  
spec format, with "Capt Schmidt" handwritten on the photocopied first  
page.

The schematic shows the following note, "these components omitted for  
Air Force units," which leads me to believe that Eldico did have some  
kind of contract to supply these to the Government, probably for R390's  
or similars receivers. The "omitted" components are the panel-mounted  
S meter and associated resistor network, which are, in fact, not  
mounted in this unit. Looks like the base receiver would provide the S

meter function, with the SBA-1 taking over the SSB demodulation, AVC, etc. Any Eldico experts out there? Feel free to correct me - I'm just guessing. In any case, this may be the "R390" "mystery" converter being hunted down by others. Definitely something to look for in the piles of surplus gear appearing at the swapmeets. They are rack mount, 9-in high, and clearly labelled "Eldico SBA-1" on the front panel.

I will try to put this thing into line with the SP600 just to hear the results. I would still prefer to have a Hammarlund HC10 (trade, anyone?) to match my HQ110A, because I have somehow resisted R390s so far. I once used a 390A as the main station receiver at W5YG (Rice U) many years ago and was totally disenchanted with the main tuning feel. I can understand those of you trying to achieve that elusive "silkeness" in the tuning. For smooth tuning, the SP600 and NC300 are supreme, in my humble opinion. And yes, I do own two nice HRO's, but they are not quite up to the others just mentioned in the "feel" department. If anyone can make a 390 feel anything like any of these, it would be a miracle.

73,

Rocco Lardiere N6KN

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: w5tvw@juno.com (Sandy Blaize)  
Subject: Re: R-390 SSB Adapter?  
Message-ID: <19960706.152103.8095.1.W5TVW@juno.com>

Bear in mind also that the Central Electronics Model "A" or model "B" Sideband Slicer will work fine with the R-390. It will also work just fine after it is aligned for 500 khz with the R-388/URR or the 51J-3/4 series!

73,

Sandy Blaize, W5TVW  
Boat Anchors collected, restored, modified, traded & used!  
w5tvw@juno.com  
417 Ridgewood Drive,  
Metairie, LA., 70001.

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996  
From: aa4rm%amos@mathcs.emory.edu (AA4RM's)  
Subject: Sams TR24  
Message-ID: <9607052314.AA04833@amos>

I need the Uher 400 -report 5- diagram outa it. Just came back from the public library & wudn't u know it, some one's gleepped the volume containing TR24. BTW, 'TR' stands for 'tape recorder.'

If you're wondering if I want to replay some 'Three Penny Opera' or Lily Marleine tapes on authentic Deutsche equipment, the answer is JAWOHL!

You can thank Sgt. Schultz for that.

Tks for the attention,

Marty

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996  
From: knudsen@gvmail.ih.lucent.com  
Subject: Santa Fed (Wheaton, IL) Hamfest  
Message-ID: <9607051938.AA15663@bock.ih.lucent.com>

I just came out of "postpone" to "digest" mode, so maybe someone else already posted re this hamfest. What the hey, mutliple reports are always better -- one guy can't see everything.

The Chicago 6-meter club used to ahve their Fest at the so-called Santa Fe Speedway, but has now moved it to the Wheaton (IL, no MD or NM) fairgrounds, almost in my back yard.

Lots of BAs and parts, and hybrid riceboxes:

A KWM-2A with the snap-on rear AC-PS and \*complete\* set of non-Ham xtals for \$585 asking. Pretty good condx. Would've made a great replacement for my non-A, and the price wasn't bad with all those rocks, but I wasn't quite up to spending that much cash at 7:05 AM. It sold after a couple hours.

A Johnson Ranger for \$300. Allegedly thoroughly rebuilt inside, VFO dial very nice, but major scratchola around the panel edges. It finally sold.

Lots of Heath SB-301 and the like units. Even a Pawnee 2M rig with its shiny chrome knobs.

Lots of Drake 2C and 4C stations, for under \$300, all looking pretty good.

An EICO xcver and mongo homebrew PS for \$65! I didn't know EICO made it into the xcver days. Never sold.

A PRC-47 hybrid Army/Air Force xcvr for \$100. I couldn't talk him down, so finally took it at the end of the day. I need some help...

Some nice little brothers of the TV-7 tube tester -- I think there was a clean TV-5 (?) for \$65.

An APX-6 transponder, complete with teh original inside back chassis.

Couple of GenRad precision variable capacitors in little oak cases, \$5 for the pair (they snuck into my hatchback for a ride). Just had to mention these for Hank's benefit :-)

A Rockwell belt sander for \$35. No solid-state devices inside, and it *was* made by a Collins relative....

Very few antique broadcast radios.

A whole table covered with the geared roller-ductor and capacitor system units from Viking IIs, \$25 each.

Quite a few ricebox rigs with analog tuning and tube finals. I was very taken with a Yeasu that had lots of switches on the front panel, and an add-on digital readout, but for \$300 and the need to dip and load, I figured to either buy a pure tube rig or hold out for a genuine (broadband output) ricer. The construction inside this thing was defly Collins level, tho. It even covered 160 and 11 (!) meters, maybe 10 and 17 too.

Kenwood hybrids were lower priced, and looked it.

An NCX-3 with speaker/PS and manual, which I talked down to \$100. I really wanted an NCX-5, but this rig was very clean and simple to operate, and I need something to keep the KWM-2 on its toes out of jealousy. Home it went, onto the 65' Sloper via the Vectron tuner, and without ever opening the case I worked a station near Phila, PA on 20M.

An HRO-60 with one coil set only, already bought and sitting under a guy's table. Didn't ask what he paid.

Hallicrafters HT-4x, the companion to the SX-115, decent looking, some subst. knobs.

Pair of nicely restored SX-71s, \$140 and \$150 each. If they sold it was at the very end.

SX-110, nice, \$75.

AR-77, RCAF, already bought for around \$30, dirty but complete.

Hallicrafters Tornado xcver for \$400, or was it \$300? A good BA rig with extra power (about triple the usual dual-6146 rig), but I was getting low on cash.

Hallicrafters Cyclone, lil' brother to the Tornado, I forget the price.

A James Millen grid dipper, in wood case with all coils plus extra low-band (down to 900 KC) coil. Followed me home. Hank, I keep thinking of you....

A GenRad capacitor tester/bridge with "Ortho-Null" mechanical clutch that causes its two big dials to track together. Gotta read the manual to see why two dials are needed in the first place. Beautiful, fascinating, compact unit, so I sprung for the \$65.

A few hand keys, no bugs. No electronic keyers at all that I could see, was looking for one.

I didn't see anything of the heart-stopping variety -- 51J4, HRO (other than the one noted), 75A4, etc. Not one R390-family even.

Generally, the BA rigs weren't selling all that well -- most of the stuff I mentioned was still there at the end.

The license exam room was not as heavily populated as at the "Wheaton" hamfest in January. Given the radical difference in WX (hot and sunny), I'm not surprised.

73, mike k aa9rg

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996  
From: "Rick Blank" <rblank@legend.txdirect.net>  
Subject: Re: Santa Fed (Wheaton, IL) Hamfest  
Message-ID: <199607060020.TAA22714@legend.txdirect.net>

> Date: Fri, 5 Jul 1996 14:54:34 -0500 (CDT)  
> Reply-to: knudsen@gvmail.ih.lucent.com  
> From: knudsen@gvmail.ih.lucent.com  
> To: Multiple recipients of list <boatanchors@theporch.com>  
> Subject: Santa Fed (Wheaton, IL) Hamfest

> To: boatanchors@theporch.com  
>  
> I just came out of "postpone" to "digest" mode, so maybe  
> someone else already posted re this hamfest. What the hey,  
> multiple reports are always better -- one guy can't  
> see everything.  
>  
> The Chicago 6-meter club used to have their Fest at the  
> so-called Santa Fe Speedway, but has now moved it to the Wheaton  
> (IL, no MD or NM) fairgrounds, almost in my back yard.  
>  
> Lots of BAs and parts, and hybrid riceboxes:

\*\*\*\*\*STUFF DELETED\*\*\*\*\*

>  
> Hallicrafters Tornado xcver for \$400, or was it \$300? A good BA  
> rig with extra power (about triple the usual dual-6146 rig),  
> but I was getting low on cash.  
>

I had one of these, once, probably wouldn't have another one....the  
finals (8236) are impossible to find, the rig is single conversion and the  
selectivity isn't what it should be....plus, it's only a  
3-bander....on a good day it might put out 300 watts, but not for too  
long...then you have to find those darn finals.....I wouldn't give  
more than \$200 for one in mint condition with power supply and  
manuals...I always look at hamfests just to try and see any 8236  
tubes and I never have!.....Just my opinion...

> Hallicrafters Cyclone, lil' brother to the Tornado, I forget the price.  
>

Actually the Cyclone would be the "Big Brother" of the Tornado, the  
Cyclone was an 80-10 meter rig, is double conversion, has a notch  
filter and a CW bandwidth filter....plus, the noise blanker is one of  
the best I have here, even compared to an FT-990, an OMNI-V, an  
R-71A, an R-4C, and a TR-7. The finals are 6KD6's in the Cyclone III,  
which are much easier to find than the 8236's of the SR-500...the rig  
is actually better to use than the KWM-2 because of the excellent  
noise blanker....much easier to hear stations on 75m when the condx  
are noisy....it puts out 200-225 watts and most times that is  
enough...the earlier SR-400 used 6HF5's, I think, which are a bit  
harder to find, but still not in the league of the 8236....

\*\*\*\*\*More Stuff Deleted\*\*\*\*\*

>

>

> 73, mike k aa9rg

>

Rick Blank, KI5SL                      rblank@txdirect.net  
2223 Blanco Road                      KI5SL@K3WGF.STX.USA.NOAM  
San Antonio, Texas 78212              AMSAT NA#26195

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996

From: "John Goller" <k9uwa@cris.com>

Subject: SX-25 Knobs needed

Message-ID: <199607060918.FAA00964@darius.cris.com>

I Bought this sort of restorable SX-25 but I need 2 knobs for it!

Need Knobs for the RF GAIN control and XTAL PHASING control

Thanks for your help.....de JOHN K9UWA

John K9UWA

k9uwa@cris.com

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996

From: billandr@aztec.asu.edu (BILL ANDREWS)

Subject: SX62 NEED DIAL INDICATOR HELP

Message-ID: <9607051504.AA22870@aztec.asu.edu>

Hello to all in BA land,

A recent post from Matt WB2VZS about acquiring an SX62 triggered me into remembering I have one opened in the shack awaiting a new dial indicator.

Does anybody have one? (fat chance)

More likely can you inform me of what you may have done in similar circumstances to fabricate one.

I think the worst thing was it probably took two hours to restring with a crochet hook etc. Now I would like a nice looking slide indicator..

TIA es 73, Bill W8AKH

--

Bill Andrews  
billandr@aztec.asu.edu

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996  
From: KB9VU@aol.com  
Subject: Tube Identification  
Message-ID: <960706013332\_350199313@emout16.mail.aol.com>

A few days ago, Rick Blank asked for information on a JAN 6293 tube. I didn't see any responses from the group. So to add to the query, I have 30 + RCA 6293's that look identical to the 6146's. My TV-7D/U test set up is identical for the 6146 and 6293. What is a 6293? "Heavy Duty" 6146 is all the feedback Rick got. Hopefully there is more than that from the assembly here.

Thanks.

Mike (kb9vu@aol.com)

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: "Joseph W. Pinner" <kc5ijd@dns1.net-connect.net>  
Subject: Re: Tube Identification  
Message-ID: <199607061220.HAA16234@dns1.net-connect.net>

>A few days ago, Rick Blank asked for information on a JAN 6293 tube.  
>What is a 6293? "Heavy Duty" 6146 is all  
>the feedback Rick got. Hopefully there is more than that from the assembly  
>here.

As I recall (from my memory which sometimes (?) fails) the 6293 is a 6146 rated for pulse service. I seem to recall some comments once that it does not fair that well in RF service.

73

Joseph W Pinner  
Lafayette, LA  
KC5IJD  
EMail: kc5ijd@net-connect.net or kc5ijd@aol.com

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: Lrware@aol.com  
Subject: Re: Tube Identification -or- whats a 6293?  
Message-ID: <960706152749\_232079393@emout10.mail.aol.com>



In a message dated 96-07-06 01:34:31 EDT, :

> Heavy Duty" 6146 is all  
> the feedback Rick got. Hopefully there is more than that from the  
assembly  
> here.

>From the RCA Transmitting Tubes TT-5 manual:  
Type 6293, Beam Power Tube  
Heater-cathode type used as rectangular-wave pulse modulator.  
Rated for service with duty factors up to 0.1 at a maximum averaging  
time of 10,000 microseconds.  
Rectangular-wave modulator maximum plate dissipation, 10 watts.  
May be operated in any position. Plate shows no color when operated  
at max CCS ratings.  
Depending on design parms. ratings go to:  
DCV Plate: 3500V  
DCV Grids: -300V  
Peak Plate current 3A  
Max Plate at 1.0 duty factor 0.2A  
Hope this helps...  
-Larry Ware  
lrware@aol.com

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: anders@autopsy.corp.sgi.com (Greg Anders)  
Subject: Vacation  
Message-ID: <199607070007.RAA06023@autopsy.corp.sgi.com>

I would appreciate it if you would suspend my receipt  
of mail from the BA alias as I am leaving on vacation. I will  
contact you via e'mail when I return to turn on the "spigot"

Thanks,

Greg Anders

"One doesn't discover new lands without consenting to lose

sight of the shore for a very long time."

Andre Gide  
French Novelist

Manager, North American Professional Services  
anders@autopsy.corp.sgi.com  
KG6YV

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996  
From: Paul Bernhardt <bern@ppdu.nrl.navy.mil>  
Subject: Wanted: Manuals for Hickock, Precision, EICO, Heath Kit  
Message-ID: <Pine.A32.3.91.960706170005.23606A-100000@ppdu.nrl.navy.mil>

To BA Experts,  
Thanks for the response about the 100 kHz crystal.

I need copies of manuals for the following:  
Hickock 605A Tube Tester (Service Manual Wanted)  
Precision Series 920 Tube Tester (Have tube data books want service manual)  
Precision Model G-140 Adaptor (Have tube data want schematic)  
EICO Model 950B Resistor/Capacitor Bridge (Operating and Service Manual)  
EICO Model 315 Signal Generator (Operating and Service Manual Wanted)  
Heath Kit VTVM IM-18 (Operating and Service Manual wanted)

Finally, for the tube guru's what is a 6910 made by Sylvania? It has 12 pins, no filament, and a cap connector at the center of the base.

Sincerely, Paul Bernhardt, KF4FOR

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996  
From: "Andy Howard, WA4KCY" <102452.362@CompuServe.COM>  
Subject: Wanted: Service Lamp with Magnifier  
Message-ID: <960705214829\_102452.362\_DHT98-1@CompuServe.COM>

Hi Gang,

This may border on not being BA related but is in reality a service took for working on Boatanchors. I have found that my vision is not longer perfect as when I was younger. I am looking for a Luxo adjustable lamp. This is the round

florescent tube with the magnifier in the middle. Getting under a chassis and really seeing what I am doing is becoming more difficult. Working on the coils of BC-611 IF transformers are next to impossible. If you have one that you would be willing to part with I would appreciate hearing from you.

Regards to all,

Andy Howard, WA4KCY  
AMI #9

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996  
From: Pike Green <PikeGreen@multipro.com>  
Subject: RE: Wanted: Service Lamp with Magnifier  
Message-ID: <01BB6AEA.F64DB580@s3.portmaster.multipro.com>

Andy,

-----  
From: Andy Howard, WA4KCY[SMTP:102452.362@CompuServe.COM]  
Sent: Friday, July 05, 1996 11:56 AM  
Subject: Wanted: Service Lamp with Magnifier

This may border on not being BA related but is in reality a service took for working on Boatanchors. I have found that my vision is not longer perfect as when I was younger ...

-----  
Anyone who thinks this topic is not BA-related doesn't have the problem yet. If you can't see 'em you can't work on 'em.

-----  
.. I am looking for a Luxo adjustable lamp.  
-----

I wear trifocals and have found two solutions that work better for me than a Luxo-type lamp. One is a pair of reading glasses. The other is sold under various trade names such as "Opti-Visor". Both are light, comfortable, portable, have a large field of view, and are reasonably priced. I prefer the Opti-Visor.

An Opti-Visor is a small hood with two magnifying lenses; the hood is attached by hinges to an adjustable head strap. The hood can be rotated down so the lenses are between your eyes or glasses and what you are looking at or it can be rotated up out of the way. The hood is large enough to use with your glasses.

The lenses are available in different magnifications. You can also get auxiliary lenses that rotate down over one of the main lenses to increase the magnification of that lens, like a jeweler's loupe. You can mount the auxiliary lens over either main lens, or you can get one for each lens. The auxiliary lenses come in different magnifications as well.

I paid about \$40 for my Opti-Visor. Most any optician can order one for you and are likely to use one themselves, so you might be able to try one out before you order.

As a light source I use a regular fluorescent light for bench work, a bright flashlight for a quick look at inaccessible places, and a small, diffused high-intensity lamp to which I can stick a magnet which, in turn, sticks to any magnetic material such as a steel chassis.

( Within reason, the brighter the light the better you can see.  
Your eyes "stop down" like a camera lens and imperfections in  
the lens become less noticeable. I can still read fine without  
my glasses by using a bright, diffuse light. )

Using an Opti-Visor I have no problem soldering surface mount components. By comparison, BAs are usually a piece of cake.

A hint for those who wear bifocals or trifocals and do overhead work, such as wiring ceiling fixtures. You can get a small, medium-distance lens placed on your glasses lenses at the top, sort of like an upside down bifocal lens. Does wonders for your sore neck.

The next time you go to your optometrist or ophthalmologist, talk to him about these and other visual aids to help with special vision problems that interfere with your life. You will probably be pleasantly surprised what can be done to make things better.

I hope this somewhat lengthy post is useful to you, Andy, and to others that find themselves in the same "boat".

Regards,  
Pike Green

From boatanchors@theporch.com Sat Jul 6 03:35:19 1996  
From: Bob Duckworth <rm�@ka4ybr.netmha.com>  
Subject: What is age of youngest R390A?  
Message-ID: <199607060039.UAA11060@ka4ybr.netmha.com>

I'm curious.

It seems the 390 has been in production for a long time.

does anyone know who made the last batch and when?

-bob

From boatanchors@theporch.com Sat Jul 6 20:50:46 1996

From: n5off@w5ddl.aara.org

Subject: Youngest 390A is 12 yrs old.

Message-ID: <410520@w5ddl.aara.org>

The youngest 390A that I have encountered is 12 years old. There was a batch of five made by Fowler Industries of Long Island for Avondale Shipyards of New Orleans in 1984. The unit cost was \$38,000.

These rigs were made for LSD ships. According to a mole I know from the Norfolk yard, the 390A's were removed from the LSD's and replaced with newer designs. The tech's were scratching their heads as to why new ships had new 390A's.

Shown below is the latest list of 390A contracts and high serial numbers.

Updates welcome.

73 de tom

R-390A			
Collins	1951	14214-PH-51	961
Collins	1954	375-P-54	310
Motorola	1954	363-PH-54	3427
Collins	1955	8719-P-55	4914
Motorola	1956	0014-PH-56	4909
Motorola	1958	14385-PC-58-A1-51	5866
Stewart-Warner	1959	42428-PC-59	2076
Stewart-Warner	1960	20139-PC-60-A1-51	4511
Electronic Assistance Corp	1960	23137-PC-60	969
Helena Rubenstein	1960?	? (80 units from Collins)	0
Capehart Corp.	1961	21582-PC-61	4237
Amelco/Teledyne Systems Corp	1962	35064-PC-62	3642
Capehart Corp.for Adler Electronics	1963	20878-PP-63	5
Imperial Electronics/Teledyne Sys	1963	37856-PC-63	3976
Electronic Assistance Corp	1967	DAAB05-67-C-0155	10717
EAC Industries/Hammarlund	1968	consumer	118
Dittmore-Freimuth	1968	DAAB05-68-C-0040	215
Fowler Industries	1984	N 00024-84-C-2027	2

Total of high s.n. 390A      50,855

Still Wanting: BC-348 New Condition  
Keeper of Collins receiver contract data for BA.  
Reply to: n5off%w5ddl.aara.org@usl.edu  
Phone 318-989-3430/ex  
y